MD iMAP Technical Committee Meeting Minutes for April 2021

Place: On-Line Only Attendance due to COVID19 Social Distancing

Date: 04/06/2021;   Time: 1:00PM – 2:00PM

Phone Attendees: Kevin Coyne (DNR); John Lesko (DoIT);), Darren Lloyd (DoIT), Gary Maragos (MDP), Bill Fearrington (DHS), Jon Chapman (MET), Scott Hansen (MDP), Leah Visakowitz (McCormick Taylor), Rowland Agbede (MDA), Kate Majchrzak (MDE), Frank Siano (MDE),

<u>**Agenda**</u>

Introductions

Maryland Enterprise Software & MD iMAP 3.0 Update – John Lesko

- DoIT continues working to support other agencies in the response to COVID-19:

    o The GIO team continues to support a COVID-19 ArcGIS Hub site to provide support to MDH during response. (visit https://coronavirus.maryland.gov/)

    o Upgrades and additions to the Hub site include the following:

    o Since its inception, the site has been viewed by 14.9 million users and has had over 93 million page views.

    o Google Analytics is used to track how many views there have been. Google Analytics is a web analytics service offered by Google that tracks and reports website traffic, currently as a platform inside the Google Marketing Platform brand.

    o To track the Percent of the Population tested for COVID-19 by County, GIO developed a colorized bar chart. The aim of the color coding is to show each County's progress in having their population tested. 24 of 24 counties have achieved the 40% level. Note that Baltimore City now leads the Counties in the percent of population tested at 73.7%. Somerset County has increased (61.1% March vs. 30.7% August); Cecil County has tested (43.6% March vs. 13.9% August) of its residents tested. This chart is updated daily.

    o The "COVID-19 Vaccination Dashboard" main page provides a snapshot of the numbers of vaccinations that have occurred statewide.

    o GIO created the Maryland site "Find a Vaccination Site".   Modeled after the "Find a COVID-19 Test Site" the Vaccination site functions in much the same way as the Testing site. The Vaccination Site has become the most visited page on the site. There are currently 561 sites identified throughout the State where someone might be able to obtain a vaccination. This includes retail sites and government sponsored sites.

- The page has various displays that are updated at 10 am every day. The displays include the Vaccination Phase, first dose administered, first dose distributed, second dose administered and second dose distributed along with single doses distributed.

- This graph changed showing now the number of first doses administered, the number of second doses administered and the number of single doses administered.

- A high level "under the hood" review of the Vaccination Site included:
  The MD Vaccination Site is built from an ESRI Template Application called "Near-By";
  Geocoding allows for the input of specific points of interest;
  The app's "Directions" button displays a route to the selected location from a location and provides turn-by-turn directions;
  Can switch between walking and driving directions;
  Mobile application requires the user to grant permission to utilize the GPS location capability of the mobile device;
  The app is built with ArcGIS Runtime;
  Uses Google material Design for the user interface;
  Is powered by ESRI's world Geogoding service;

- A short review of the update procedures included:
  Sites identified - GIO provided addresses and relevant information.
  Sites are coded and copied into a Google Sheet
  Sites are geocoded using ArcPRO
  A .bat file creates a .CSV file, and another .bat file loads the new and/or revised site data into the application; The .bat files execute python scripts through the Python executable files;
  In ArcPRO, the tables are updated with new information or with edited data from existing sites;
  Site is published;

"Conservation Easement Monitoring with Aerial Imagery"; Jon Chapman; Stewardship Manager; DNR – Maryland Environmental Trust

- Jon highlighted the mission of the Maryland Environmental Trust
- Portfolio of 1,117 Conservation Easements
- 1,298 Properties/Interests (easement x landowner)
- 138,600 acres throughout Maryland
- Voluntary, perpetual agreement between landowner and government or non-profit
- Preserves open space, scenic & historic landscapes, important habitat, for public benefit
- Restricts most development and commercial activities
- Must be regularly verified, ideally annually
- Else lose IRS Qualified Status to receive easement donations, and for donors to get tax benefits
- Two main program areas:
  Easement Program: Document Baseline Conditions on New Easement Properties
  Stewardship Program: Monitor Existing Conservation Easement Properties and address landowner requests, compliance concerns

- Historically, majority of monitoring On-the-Ground (OTG) i.e. walk or drive around property, taking pictures to document structures, landscapes, and concerns
- Dependent on printed updates to baseline maps prepared with most current aerials
- Before assigning to staff or volunteer, run SDAT Real Property Search reports to confirm land ownership or learn of transfer
- LENS©system features:
  Allows comparison of 2 dates of imagery side-by-side swiping back and forth
  Zoom in and out to see objects / land-scapes of interest
  Not counting cars or measuring size of pools, instead looking for land use changes
  Create polygons or pins for areas of concern or interest e.g. new structure, narrow buffer

MD iMAP 3.0 Update – John Lesko

- The Maryland Department of Natural Resources (DNR) request to migrate to the enterprise GIS platform has been approved for deployment. DOIT is working with DNR and ESRGC to select 5 services to move the new server. At the next meeting, the details of this effort will be finalized.
- The Composite Locator Improvements: Converted the address processing workflow from python to FME; Fixed some errors discovered in the statewide address data; and will continue to test.
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- MD DOIT GIO Highlights and Initiatives;
  1. Redesign of the MD iMAP platform. Investigating a move to a HUB site environment;
  2. Early discussion for moving to MD iMAP 4.0;
  3. Update of the MD iMAP Communication Plan;
  4. Continue to expand QLIK users and migrating users from Power BI to the QLIK platform;
  5. Continue to support and expand the data available on the Open Data platforms;
- ArcGIS Online for Maryland - GIO received an email last week that our AGOL organization has "used 75% or more of its service credits". The annual contract term ends in August, so at this rate of burn, the organization will run out of credits before the renewal.   A review of the credit usage indicates that the main issue is Feature Storage. GIO is requesting that all organization users delete unused data.

Subcommittee Updates

Training *– Lisa Lowe*

  ° No update for this month.

Centerlines *– Marshall Stevenson*

  ° No update provided

Composite Locator *– Lisa Lowe*

  ° It's almost time for the next quarterly update. Lisa will send out the request for data to the counties within the next couple of weeks.

Imagery – *Lisa Lowe*

° Copying the image files to our server. Once all of the MrSID files are copied, Lisa will begin the process for creating the map and image services.

Lidar – *John Lesko*

° MSGIC Elevation Data committee meeting is scheduled for later this month. Will discuss the process for establishing "State Minimum Airborne LiDAR Standards"

Action Items

° None identified

Additional Business

° A recent update to the Parcel Boundaries service caused issues in ArcGIS Online maps. The issue was that field names in the map service were changed from lowercase to uppercase letters. This caused issues with popups that needed to be reconfigured. Gary Maragos indicated that going forward updates will use uppercase letters and should not cause similar issues. Updates to the Parcel Point service and the CAMA data service will occur soon. Those services will also change from lowercase to uppercase letters for the field names. Gary will contact users with online maps prior to the updates so popups can be reconfigured just after the updates are made. They will also use uppercase letters for field names in future updates.